REMARKS

In response to the rejection of Claims 1-6 under 35 USC 103, Claim 1 is amended to include some of the limitations of Claim 3 which is cancelled. Claims 4, 5 and 6 are amended to change their dependency from cancelled Claim 3 to Claim 1.

In the Action, in rejecting Claim 3 the Examiner contends that Yun discloses the contents of the MPEG-4 object descriptor at paragraphs [0049], [0077]-[0084] and Figures 12 and 13. Although paragraphs [0077]-[0084] appear to disclose a variety of modes which utilize many of the same terms which appear in Claim 3, Claim 3 specifically provides that the information specified is included as part of the MPEG-4 object descriptor.

In this connection, the various modes referenced in Yun at paragraphs [0077]-[0084] do not appear to in any way relate to the object descriptor component of an MPEG-4 signal. Referring to the specification and the description of Figure 6 appearing at pages 11-12 of the present application, the MPEG-4 control signal generating module 603 generates the MPEG-4 object descriptor and the BIFS descriptor. As disclosed and claimed by Applicant, the object descriptor generated by the invention includes additional information about the three-dimensional video while maintaining compatibility with a conventional MPEG-4 object descriptor.

In Yun, the object descriptor stream generator 14 as shown in Figure 1 is part of compression layer 2. However, in Yun, all of the 3D object information appears to be handled by 3D object encoder 11. Yun describes the object descriptor stream generator 14 in paragraph [0056] as generating "an object descriptor stream for representing the attributes of multiple objects."

The difference between the present invention and Yun is easily seen with reference to Figure 1 of Yun as compared to Figure 6 of the present application. As shown in Figure 1 of Yun, the 3D object information is encoded by 3D object encoder 11 and then provided to sync layer 20 for packetization along with the output from object descriptor stream generator 14.

However, according to the present invention, by virtue of MPEG-4 control signal generating module 603 providing 3D information while maintaining compatibility with a conventional object descriptor, the video and control signals are encoded by encoding module 604 which encodes the inputted three-dimensional video and the MPEG-4 control signal. Stated another way, unlike Yun, the present invention does not require a 2D encoder and a separate 3D object encoder as is the case with Yun. The secondary references Kim et al., and Signes relied upon for generating scene descriptors as binary format for screen descriptors (BIFS) do not appear to contain any teachings relating to the claimed MPEG-4 control signal generating means which operates as set forth in Claim 1, as amended.

In view of such amendments, reconsideration and withdrawal of the rejections of pending claims 1, 2 and 4-6 are requested.

Respectfully submitted,

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